



DOCKET NO: D0617.70012US00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Aaron K. Sato, et al.

Serial No:

10/661,156

Filed:

September 11, 2003

For:

KDR and VEGF/KDR Binding Peptides and Their Use in Diagnosis and Therapy

Examiner:

Not Yet Assigned

Art Unit:

1632

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to Commissioner for Patents, P.O. Box/1450, Alexandria, VA

22313-1450, on the 18th day of March, 2005.

Michael T. Siekman, Reg. No.: 36,276

Commissioner For Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Transmitted herewith are the following documents:

- Power of Attorney and Revocation of Prior Powers (2 pgs.) and Schedule A (1 pg.)
- Certificate Under 37 C.F.R. § 3.73(b)
- Copy of Assignments
- Return Receipt Postcard

If the enclosed papers are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned at (617) 646-8000, Boston, Massachusetts.

A check is not enclosed. If a fee is required, the Commissioner is hereby authorized to charge Deposit Account No. 23/2825. A duplicate of this sheet is enclosed.

Respectfully submitted,

Sato et al., Applicant

By:

Michael T. Siekman, Reg. No.: 36,276

Wolf, Greenfield & Sacks, P.C.

600 Atlantic Avenue

Boston, Massachusetts 02210-2206

Telephone: (617) 646-8000

Docket No.: D0617.70012US00

Date: March 18, 2005

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Attorney Docket No: D0617.70012US00

CERTIFICATE UNDER 37 CFR 3.73(b)

			•	
Applicant:	Sato et al.			
Serial No:	10/661,156		Filed:	September 11, 2003
Entitled:	KDR AND VEGF/ DIAGNOSIS AND			G PEPTIDES AND THEIR USE IN
Bracco Interna	tional B.V.	a	Corpora	ation
(Name of	Assignee)			Assignee, e.g., corporation, partnership, ty, government agency, etc.)
the patent application of A. [X] An assignment OR B. []A chain of title	or patent identified from the inventor(s	above s) of t	e by virtue he patent	et of the entire right, title and interest in e of either: application identified above. application identified above, to the
1. From:			To:	
The document was rec	orded in the Patent	and T	_ Frademarl	k Office at
2. From:			To:	
The document was rec	orded in the Patent	and T	Frademarl	k Office at
				sted on a supplemental sheet. ne chain of title are attached.
The undersigned is em	powered to sign thi	s cert	tificate on	behalf of the assignee.
	·	Re	espectfully	submitted,
		Br	acco Inter	rnational B.V., Assignee
Docket No.: D0617.700 Date: March 18, 2005	By:	60 Bo	olf, Green O Atlantic oston, Mas	Siekman, Reg. No.: 36,276 field & Sacks, P.C. Avenue ssachusetts 02210-2206 (617) 646-8000



Attorney Docket No: D0617.70012US00

CERTIFICATE UNDER 37 CFR 3.73(b)

is in the state of	<u> </u>		01.0010(0)
Applicant:	Sato et al.		
Serial No:	10/661,156		Filed: September 11, 2003
Entitled:	KDR AND VEGF/ DIAGNOSIS AND		R BINDING PEPTIDES AND THEIR USE IN ERAPY
Dyax Co	orp.	a	Corporation
(Name of	Assignee)		(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)
the patent application of A. [X] An assignment OR B. []A chain of title	or patent identified from the inventor(s	aboves) of t	ship interest of the entire right, title and interest in we by virtue of either: The patent application identified above. If the patent application identified above, to the
1. From:			To:
The document was rec	orded in the Patent	and 7	Trademark Office at
2. From:			To:
The document was rec	orded in the Patent	and 7	Trademark Office at
[X] Copies of ass	ignments or other d	ocum	f title are listed on a supplemental sheet. ments in the chain of title are attached. rtificate on behalf of the assignee.
		Re	Respectfully submitted,
		D_{j}	Dyax Corp., Assignee
Docket No.: D0617.700 Date: March 18, 2005	By:	W 60 Bo	Michael T. Siekman, Reg. No.: 36,276 Wolf, Greenfield & Sacks, P.C. 600 Atlantic Avenue Boston, Massachusetts 02210-2206 Telephone: (617) 646-8000

Commissioner for Patents P.O. Box 1450 Alexandria VA 22313-1450

MAR 2 1 2005

REVOCATION OF PRIOR POWERS OF ATTORNEY and NEW POWER OF ATTORNEY

Sir: The undersigned, Dyax Corp. and Bracco International B.V., assignees of the entire right, title and interest for all of the patents and patent applications identified in the attached Schedule A, hereby revoke all previous powers of attorney or authorizations of agent given in the identified patents and patent applications and in any divisional, continuing, substitute, renewal or reissue applications thereof, and appoint all practitioners affiliated with Customer Number:



as assignees' attorneys or agents with full power of substitution to take any and all action necessary with regard to the identified patents and patent applications, and with regard to any divisional, continuing, substitute, renewal or reissue applications thereof.

Please forward all correspondence to:

Michael T. Siekman
Wolf, Greenfield & Sacks, P.C.
Federal Reserve Plaza
600 Atlantic Avenue
Boston, Massachusetts 02210
Tel. 617-646-8336
Fax 617-720-2441

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Please use corresponding Attorney's Docket Number in attached Schedule A on all future correspondence in connection with the identified patents and patent applications.

Date: 2/25/08

Respectfully submitted,

Name: Ivana Magovšević, Ph.D., J.D. Title: Senior Vice President Legal Affairs and Chief Patent Counsel for Dyax Corp.

Date: _____

Name: Caragh Noone, Esq.

Title: Senior Patent Counsel for Bracco

International B.V.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents P.O. Box 1450 Alexandria VA 22313-1450

REVOCATION OF PRIOR POWERS OF ATTORNEY and NEW POWER OF ATTORNEY

Sir:

The undersigned, Dyax Corp. and Bracco International B.V., assignees of the entire right, title and interest for all of the patents and patent applications identified in the attached Schedule A, hereby revoke all previous powers of attorney or authorizations of agent given in the identified patents and patent applications and in any divisional, continuing, substitute, renewal or reissue applications thereof, and appoint all practitioners affiliated with Customer Number:

23628

as assignees' attorneys or agents with full power of substitution to take any and all action necessary with regard to the identified patents and patent applications, and with regard to any divisional, continuing, substitute, renewal or reissue applications thereof.

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Michael T. Siekman
Wolf, Greenfield & Sacks, P.C.
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Boston, Massachusetts 02210
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Please use corresponding Attorney's Docket Number in attached Schedule A on all future correspondence in connection with the identified patents and patent applications.

Respectfully submitted,

Date:		•	
			Name: Ivana Magovčević, Ph.D., J.D. Title: Senior Vice President Legal Affairs and Chief Patent Counsel for Dyax Corp.
Date: 17	MAART 2005		Na Company
			 Name: Total Herbschleb Title: Proxy Holder International B.V. Bracco International B.V.



SCHEDULE A

Issued Patents

Atty. Docket No.	Patent No.	Issue Date
		·

Patent Applications

Atty. Docket No.	Serial No.	Filing Date
D0617.70011US00	60/360,851	March 1, 2002
D0617.70011US01	60/440,411	January 15, 2003
D0617.70011US02	10/382,082	March 3, 2003
D0617.70012US00	10/661,156	November 11, 2003
D0617.70013US00	60/451,588	March 3, 2003
D0617.70013US01	10/792,582	March 3, 2004
D0617.70014US00	10/939,890	September 13, 2004
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COPY

Multi-Joint .

WHEREAS, we, Aaron K. Sato, Daniel J. Sexton, Daniel T. Dransfield and Robert C. Ladner, together with co-inventors Christophe Arbogast, Philippe Bussat, Hong Fan, Sudha Khurana, Karen E. Linder, Edmund R. Marinelli, Palaniappa Nanjappan, Adrian D. Nunn, Radhakrishna Pillai, Sibylle Pochon, Kondareddiar Ramalingam, Ajay Shrivastava, Bo Song, Rolf E. Swenson and Mathew A. Von Wronski have invented a certain improvement in KDR AND VEGF/KDR BINDING PEPTIDES AND THEIR USE IN DIAGNOSIS AND THERAPY described in an application for Letters Patent of the United States, the specification of which:

[]	is being executed on even date herewith and is about to be filed in the United States Patent Office;
[X]	was filed on September 11, 2003 as Application No. 10/661,156;
[]	was patented under U.S. Patent No. [] on [].

WHEREAS, Dyax Corp. (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the State of Delaware, and having a usual place of business at 300 Technology Square, Cambridge, Massachusetts 02139 desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, our entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application. together with our entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of our entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the

execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor's Signature:
Aaron K. Sato
State/Commonwealth
of MASSACHUSETTS
County of MiddleSex
Then personally appeared before me the above-named Aaron K. Sato and acknowledged that he executed the foregoing instrument as his free act and deed this day of, 2003.
(SEAL) Karen S. durt - Notary Public
KAREN S. Johnston (print name)
My Commission expires <u>09</u> / <u>07</u> / <u>2008</u>

Inventor's Signature:	Mandat
	Daniel J. Sexton
State/Commonwealth	
of MASS ACHUSET	<u> </u>
County of Middlese	<u>×</u>
	before me the above-named Daniel J. Sexton and acknowledged ing instrument as his free act and deed this day of , 2003.
(SEAL)	Karens. Mary Public
	KAREN S. Johnston (print name)
	My Commission expires $07/04/2008$
	Try Commission expires
Inventor's Signature:	Daniel T. Dransfield
	Daniel T. Dransfield
State/Commonwealth	
of MASSACHUSETT	
County of Middlese	<u>K</u>
acknowledged that he exec	before me the above-named Daniel J. Dransfield and uted the foregoing instrument as his free act and deed this November , 2003.
(SEAL)	Kons. Into Notary Public
	KAREN S. Johnston (print name)
	My Commission expires 01 / 05 / 2008

Inventor's Signature:	Talian (La	John Land
-/	Robert	C. Ladner
State/Commonwealth		
of MASSAChuseTT	<u>s</u>	
County of Middlesec		
	ng instrument as his free act a	bert C. Ladner and acknowledged and deed this 13th day of
(SEAL)	Kans. Johnst	Notary Public
	KAREN S. Johnston	(print name)
	My Commission expires	7 / 04 / 200B

Multi-Joint

ASSIGNMENT

WHEREAS, we, Christophe Arbogast, Philippe Bussat, Hong Fan, Sudha Khurana, Karen E. Linder, Edmund R. Marinelli, Palaniappa Nanjappan, Adrian D. Nunn, Radhakrishna Pillai, Sibylle Pochon, Kondareddiar Ramalingam, Ajay Shrivastava, Bo Song, Rolf E. Swenson and Mathew A. Von Wronski, together with co-inventors Aaron K. Sato, Daniel J. Sexton, Daniel T. Dransfield and Robert C. Ladner, have invented a certain improvement in KDR AND VEGF/KDR BINDING PEPTIDES AND THEIR USE IN DIAGNOSIS AND THERAPY described in an application for Letters Patent of the United States, the specification of which:

[]	is being executed on even date herewith and is about to be filed in the United States Patent Office;
[X]	was filed on September 11, 2003 as Application No. 10/661,156;
[]	was patented under U.S. Patent No. [] on [].

WHEREAS, Bracco International, B.V. (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the Country of The Netherlands, and having a usual place of business at Stravinskylaan 3051, 1077 ZX Amsterdam, The Netherlands desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, our entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with our entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of our entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution,

reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor's Signature:	
State/Commonwealth	- Christophe Arbogast
of	
County of	
acknowledged that he	ared before me the above-named Christophe Arbogast and executed the foregoing instrument as his free act and deed this
(SEAL)	Notary Public
	(print name)
	My Commission expires//

Inventor's Signature:	
_	Philippe Bussat
State/Commonwealth	
of	
County of	
	ed before me the above-named Philippe Bussat and acknowledged that ag instrument as his free act and deed this day of, 2003.
(SEAL)	Notary Public
	(print name)
	My Commission expires//
Inventor's Signature:	Hong Fan
Inventor's Signature: State/Commonwealth	Hong Fan
-	
State/Commonwealth	
State/Commonwealth of County of Then personally appears	ed before me the above-named Hong Fan and acknowledged that he nstrument as his free act and deed this day of
State/Commonwealth of County of Then personally appears executed the foregoing in	ed before me the above-named Hong Fan and acknowledged that he nstrument as his free act and deed this day of
State/Commonwealth of County of Then personally appeare executed the foregoing i	ed before me the above-named Hong Fan and acknowledged that he astrument as his free act and deed this day of, 2003.

Inventor's Signature:	Sudhathuranz
	Sudha Khurana
State/Commonwealth	
of	
County of	
	before me the above-named Sudha Khurana and acknowledged going instrument as her free act and deed this day of, 2003.
(SEAL)	Notary Public
	(print name) My Commission expires //
	My Commission expires / /
Inventor's Signature: State/Commonwealth	Karen E. Linder
of	
County of	
that she executed the fore	before me the above-named Karen E. Linder and acknowledged going instrument as her free act and deed this day of, 2003.
(SEAL)	Notary Public
	(print name)
	My Commission expires//

State/Commonwealth	Edmund R. Marinelli
of	
County of	
acknowledged that he ex	ed before me the above-named Edmund R. Marinelli and executed the foregoing instrument as his free act and deed this, 2003.
(SEAL)	Notary Public
	(print name)
	My Commission expires/ /
	· · · · · · · · · · · · · · · · · · ·
Inventor's Signature:	for the same of th
	Palaniappa Nanjappan
State/Commonwealth	fer p
State/Commonwealth	Palaniappa Nanjappan
State/Commonwealth	Palaniappa Nanjappan
State/Commonwealth of County of Then personally appeare acknowledged that he ex	Palaniappa Nanjappan
State/Commonwealth of County of Then personally appeare acknowledged that he ex day of	Palaniappa Nanjappan ed before me the above-named Palaniappa Nanjappan and accuted the foregoing instrument as his free act and deed this
acknowledged that he ex	Palaniappa Nanjappan ed before me the above-named Palaniappa Nanjappan and secuted the foregoing instrument as his free act and deed this , 2003.

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Inventor's Signature:	aller tole	
	Adrian D. Nunn	
State/Commonwealth		
of		
County of		
Then personally appeared that he executed the foreg	before me the above-named Adrian D. Nunn and acknowledged oing instrument as his free act and deed this day of, 2003.	
(SEAL)	Notary Public	
	(print name)	
	My Commission expires / /	
	<u> </u>	
		-
Inventor's Signature:	Laculon Ula	
Inventor's Signature: State/Commonwealth	Radhakrishna Pillai	
State/Commonwealth	Radhakrishna Pillai	
State/Commonwealth of	Radhakrishna Pillai	-
State/Commonwealth of County of Then personally appeared	Radhakrishna Pillai	
State/Commonwealth of County of Then personally appeared acknowledged that he exe	before me the above-named Radharkrishna Pillai and cuted the foregoing instrument as his free act and deed this	,
State/Commonwealth of	before me the above-named Radharkrishna Pillai and cuted the foregoing instrument as his free act and deed this, 2003. Notary Public	-
State/Commonwealth of	before me the above-named Radharkrishna Pillai and cuted the foregoing instrument as his free act and deed this, 2003.	-

State/Commonwealtl	Sibylle Pochon
of	
County of	
	eared before me the above-named Sibylle Pochon and acknowledged the going instrument as her free act and deed this day of, 2003.
(SEAL)	Notary Public
	(print name)
	My Commission expires//
Inventor's Signature:	Kondokeddiar Ramalingam Kondareddiar Ramalingam
	- Vondonaldian Donalinaan
	Kongareggiar Kamaingam
State/Commonwealth	Kondareddiar Ramaningam
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State/Commonwealth of County of Then personally appeacknowledged that he day of	eared before me the above-named Kondareddiar Ramalingam and executed the foregoing instrument as his free act and deed this f, 2003.
State/Commonwealth of County of Then personally appeacknowledged that he	eared before me the above-named Kondareddiar Ramalingam and executed the foregoing instrument as his free act and deed this f, 2003. Notary Public
State/Commonwealth of County of Then personally appeacknowledged that he day of	eared before me the above-named Kondareddiar Ramalingam and executed the foregoing instrument as his free act and deed this f, 2003.
State/Commonwealth of County of Then personally appeacknowledged that he day of	eared before me the above-named Kondareddiar Ramalingam and executed the foregoing instrument as his free act and deed this f, 2003. Notary Public

Inventor's Signature:	giag Oh	
State/Commonwealth	, 0	Ajay Shrivastava
of		-
County of		-
		named Ajay Shrivastava and acknowledged free act and deed this day of
(SEAL)		Notary Public
		(print name)
	My Commission ex	xpires / /
	·	· ·
Inventor's Signature:		-
		Bo Song
State/Commonwealth		
of		
		-
County of		- - ·
Then personally appeare	ed before me the above-instrument as his free ac	named Bo Song and acknowledged that he t and deed this day of
Then personally appeare executed the foregoing in	ed before me the above-instrument as his free ac	
Then personally appeare executed the foregoing in	ed before me the above-instrument as his free ac	t and deed this day of

Inventor's Signature:	NOY E	Swen	An
State/Commonwealth	<i>V</i>	Rolf E.	Swenson
of			
County of			
			If E. Swenson and acknowledged nd deed this day of
(SEAL)		1	Notary Public
			(print name)
	My Commi	ission expires	
Inventor's Signature:	M.A.M	on Mho	urlei
	•	Mathew A.	Von Wronski
State/Commonwealth			-
of			
County of			
Then personally appeared acknowledged that he exe	before me the cuted the foreg	above-named Magoing instrument a	athew A. Von Wronski and as his free act and deed this
(SEAL)			Notary Public
	٠.		(print name)
	My Commi	ission expires	/
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Multi-Joint

ASSIGNMENT

WHEREAS, we, Christophe Arbogast, Philippe Bussat, Hong Fan, Sudha Khurana, Karen E. Linder, Edmund R. Marinelli, Palaniappa Nanjappan, Adrian D. Nunn, Radhakrishna Pillai, Sibylle Pochon, Kondareddiar Ramalingam, Ajay Shrivastava, Bo Song, Rolf E. Swenson and Mathew A. Von Wronski, together with co-inventors Aaron K. Sato, Daniel J. Sexton, Daniel T. Dransfield and Robert C. Ladner, have invented a certain improvement in KDR AND VEGF/KDR BINDING PEPTIDES AND THEIR USE IN DIAGNOSIS AND THERAPY described in an application for Letters Patent of the United States, the specification of which:

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NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, our entire right, fitle and interest in and throughout the United States of America. its territories and all foreign countries, in and to said invention as described in said application, together with our entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal represenratives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of our entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution.

reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our scals the date set forth below.

Inventor's Signature:	tibogait	
State/Commonwealth	\.	Christophe Arbogast
οί		
County of		-
Then personally appeared by acknowledged that he executary day of	ited the foregoing ins	named Christophe Arbogast and strument as his free act and deed this, 2003.
(SEAL)		Notary Public
		(print name)
	My Commission ex	pires/
	V.	

Inventor's Signature:	P.	Busal		
State/Commonwealth			Philippe Bussat	
of				
County of			.	
ne executed the forego	red before me ing instrumer , 2003.	the above-nate as his free a	amed Philippe Bussat and deed this	d aoknowledged the
(SEAL)			Notary Pubi	ic
			(print name)	
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	My Cor	mmission exp	oires / /	_
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State/Commonwealth		17	Hong Fan	·
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State/Commonwealth of County of Then personally appear	ed before me	the above-na	2	owledged that be
State/Commonwealth of County of Then personally appear executed the foregoing	ed before me	the above-na	Hong Fan	owledged that he day of
executed the foregoing	ed before me	the above-na	Hong Fan med Hong Fan and acknownd deed this	owledged that he day of

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Inventor's Signature:		,
State/Commonwealth		Sudha Khurana
, , , , ,		
County of		
Then personally appeare that she executed the fore	egoing instrument as he	named Sudha Khurana and acknowledged er free act and deed this day o
(SEAL)		Motary Public
		(print name)
	My Commission ex	xpires / /
Inventor's Signature: State/Commonwealth	Karan E hea	ulen) Karen E. Linder
of	•	
County of		<u>-</u> _
Then personally appeared that she executed the fore	going instrument as her	named Karen E. Linder and acknowledged There are and deed this day of
(SEAL)		Notary Public
		(print name)
	My Commission ex	pires//
		•

State/Commonwealth	Edmind R. Marinelli
of	
63 mm m a 100	
actrionicoseo tust uc ex	ed before me the above-named Edmund R. Marinelli and secuted the foregoing instrument as his free act and deed this, 2003.
(SEAL)	Notary Public
	(print name)
	My Commission expires//
Inventor's Signature:	Ing
	Palaniappa Nanjappan
State/Commonwealth	
State/Commonwealth of	
of	
of	d before me the above-named Palaniappa Nanjappan and
of	d before me the above-named Palaniappa Nanjappan and ecuted the foregoing instrument as his free act and deed this, 2003.
Of	d before me the above-named Palaniappa Nanjappan and

Inventor's Signature:	allie Tale
State/Commonwealth	Adrian D. Nunn
of	
County of	
Then personally appeared that he executed the foreg	before me the above-named Adrian D. Nunn and acknowledged oing instrument as his free act and deed this day of, 2003.
(SEAL)	Notary Public
	(print name)
•	My Commission expires / /
Inventor's Signature:	Radhakrishna Pillai
Cr	Radhakrishna Pillai
State/Commonwealth	
of	
Then personally appeared acknowledged that he executed	before me the above-named Rudharkrishna Pillai and cuted the foregoing instrument as his free act and deed this . 2003.
(SEAL)	Notary Public
	(print name)
	My Commission expires / /

State/Commonwealth	Sibylle Pochon
County of	
Then personally appear	ed before me the above-named Sibylle Pochon and acknowledged that ing instrument as her free act and deed this day of
(SEAL)	Notary Public
•	(print name)
	My Commission expires ///
_	
Inventor's Signature:	
Inventor's Signature:	
anne, commonwearm	KomdaRaddiar Ramalingam
of	Komáskaddar Ramalingam Kondareddiár Ramalingam
anne, commonwearm	Komáskaddar Ramalingam Kondareddiár Ramalingam
of	Komáskaddiar Ramalingam Kondareddiar Ramalingam
County of Then personally appeare acknowledged that he ex day of	Kondareddiar Ramalingam Kondareddiar Ramalingam d before me the above-named Kondareddiar Ramalingam and secured the foregoing instrument as his free act and deed this 2003.
of	Kondareddiar Ramalingam Kondareddiar Ramalingam d before me the above-named Kondareddiar Ramalingam and secured the foregoing instrument as his free act and deed this

Inventor's Signature:	0490)		
State Commission III		Ajay Shrivastava	
State/Commonwealth		•	
of			
County of		<u></u>	
Then personally appeare that he executed the fore	going instrument as his	named Ajay Shrivastava and ackn s free act and dood this	owledged day of
(SEAL)		Notary Public	
		(print name)	
	My Commission e	xpires/ /	
	- -		
			-
Instrumento Ciana			
Inventor's Signature:		Bo Song	
		45() 5(1)(1)	
State/Commonwealth		. Do Song	
		•	
of		•	#14 -
, -		•	<u></u> %
of	ed before me the above- nstrument as his free ac	•	that he
of	ed before me the above- nstrument as his free ac	 named Bo Song and acknowledged	that he
of	ed before me the above- nstrument as his free ac	named Bo Song and acknowledged rand deed this day o	that he

Inventor's Signature:	NOY & Swenner
State/Commonwealth	Rolf E. Swenson
of	
County of	
man he executed the topt	ed before me the above-named Rolf E. Swenson and acknowledged egoing instrument as his free act and deed this day of, 2003.
(SEAL)	Notary Public
	(print name)
•	
	My Commission expires//
	_
Inventor's Signature:	M. a. Mathew A. Yon Wronski
of	
County of	
acknowledged that he ex-	d before me the above-named Mathew A. Von Wronski and couted the foregoing instrument as his free act and deed this
(SEAL)	Notary Public
	(print name)
	My Commission expires/